24 February 1966

Dear Joe:

- 1. The Contractor is hereby directed to comply with the provisions of the following Engineering Change Proposels pursuant to the "Changes" clause of Contract No. LP-2264:
  - a) ECP GR-52 b) ECP GR-55

Additionally, the Contractor will submit firm quotations within 30 days after receipt of this approval.

2. For those portions of the ECP's requiring retrofit action, the Contractor will notify the PSO of quantities and schedules proposed and arrange for a mutually agreeable retrofit schedule.

Wendell

	STATINTL
cc:	

17 FEB 1966

Subject:	ECPs GR-52 and 55, Contracts LP-2264 and CW-6644
Dear Chuck	<b>,</b>
experience	Subject ECPs are technically approved by the SPO. found necessary as a result of Cat I and II test Request you provide with formal approval changes. Specific comments on these ECPs are:
	ECP 52 - Incorporation of this change is to operate the above its current altitude limi-

STATINTL tation (80,000 ft for user). Estimated service contract cost is \$1087 (15 kits at \$72.50).

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ECP 55 - The PSO, user and establish a mutually acceptable schedule for return of synchronizers to the SRA for rework. Estimated service contract cost is \$1438 (21 kits at \$73.24).

Regards,

STATINTL Copy:

Approved FolkRelease 2002/10/25: CIA-RDP72B00464R000400070045-6 ENGINEERING STUDY GA - 531 GR-52 X CHANGE PROPOSAL DATE AFFECTS: GA-531A 18 January 1966 STATINTL NAME OF MAJOR COMPONENT PART OR LOWEST SUBASSEMBLY PART NO. MODEL OR TYPE 531A000-038-101 (old) R.F. Absorber Assembly Antenna Beam Lower Beam 531A000-038-103 (new) TITLE OF PROPOSAL: Prevent Antenna Corona Damage NATURE OF PROPOSAL: Ref: REW KP-I-233 1. Add R.F. Absorber material to front end of Lower Beam R.F. Absorber Assembly. Change P/N from 531A000-038-101 to P/N 531A000-038-103. REASON FOR PROPOSAL: To prevent holes from being burned into the antenna teflon coating due to corona caused by RF reflection from the front end of the beam. This change enables operation at high cavity altitudes and temperatures. ESTIMATED COST AND TIME INVOLVED: ES ADDITIONAL FUNDING REQUIRED: ESTIMATED COST FOR KITS OR PARTS: \$72.50 CP ADDITIONAL FUNDING REQUIRED: \$6338.57 (includes \$4381.07 Engineering) ITEMS AFFECTED BY PROPOSAL: Vehicle Installation Kit #20 and subs in line. Supply Installation kits 9 thru 19 and 1 thru 4 with add'1 RF Kit WEIGHT OR TOOLS AND MISSION INTER-MAINTE-MAINTE. PERFORM-OPERATING SERVICE FLIGHT EFFFC-CHANGE-SUPPORT NANCE NANCE SAFETY AND BALANCE TIVENESS ANCE PROCEDURE EQUIPMENT PROCEDURE LIFE MANUAL MANUAL ABILITY  $\overline{\mathbf{z}}$ 22 ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: 4 hours to install additional RF material to lower beam. SOURCE OF PARTS FOR KIT: AVAILABILITY \_\_\_\_\_ WEEKS AFTER APPROVAL GR **DISPOSITION OF SPARES AFFECTED:** Spares to be reworked to latest configuration. PPB to be changed by C/N to PSO. INITIATED

THE 28 January 1966  AFFICIS CA-531  AFFICIC C	1		, PPI O CO		13C 2002/10				1 10	<del></del>	<u> </u>	
28 January 1966  ART OR LOWST SUNSESSMEY SYNCHROLISER Synchronizer  ART OR LOWST SUNSESSMEY SATEET PROPOSAL: Spacing P.C. Board Assy and STC Range SalA507-001-101(cld) 531A507-001-101(cld) 531A507-0		GA-	531	And the state of t	-	3	į		1		of 2	
PART NO.	DATE	OO Tanı	12777 10	66	AFFECTS:	GA+53	1				STATIN	JTL J
THE OF PROPOSAL: 1. Provide at Increase in C.L. 531A537-001-101(old) Loop Gain  NATURE OF PROPOSAL:  See GR-55, Page 2 of 2  REASON FOR PROPOSAL:  Item 1: To reduce map degradation due to vehicle motions which exceed the clitterlock response time.  Item 2: To obtain more uniform ground paint on final map by changing recessver gain in modes 1, 2, 12, and 13.  ESTIMATED COST AND TIME INVOLVED.  ADDITIONAL FUNDING REQUIRED.  CP ESTIMATED COST FOR KITS OF PARTS: \$73.24/kit (Costs applicable to Item 1 ONI ADDITIONAL FUNDING REQUIRED.  Units S/N 5001-1 thru 21 will be reworked SRA  Units S/N 5001-1 thru 2 will be reworked SRA  Units S/N 5001-1 thru 2 will be reworked SRA  SAFETY NESSON PURPOWA OPERATING CHANGE WAND AND AND COUNTY OF THE SUPPOWER PROCEDURE LIFE MANUAL MANUAL STREET AND THE STREET WAS ANCE PROCEDURE CHANGE MANUAL SUPPOWER ANCE PROCEDURE CHANGE MANUAL SUPPOWER ANCE PROCEDURE SAND MANUAL SUPPOWER ANCE PROCEDURE; 30 min rework; 30 min assemble; 1 hr Test 1 tem 1. 30 min disassemble; 30 min rework; 30 min assemble; 1 hr Test 1 tem 2: 45 min rework; 3 hr Test assuming rework at same time as Item SOURCE OF PARTS FOR KIT.  DISPOSITION OF SPARTS AFFECTED. Spares will be reworked to the latest configuration. PPB will be revised by Change Notice to PSO.	NAME OF Sync	MAJOR COM	PONENT	PAF Ap A	prox Mul ssy and	SUBASSEM ti PC STC Ra	BLY Board nge		мог 531 531	DEL OR TYP _A50 <b>7-</b> ( _A507-(	001-105 001-101	(old)
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E-108 (6-65) 7259

## Approved For Release 2002/10/25 : CIA-RDP72B00464 000400070045-6

GA-531				CHANGE	PROPOSAL		GR-5 Pag€	55 e 2 of 2
Date:	28	January	<b>19</b> 6		Affects:	GA-531		STATINTL

## NATURE OF PROPOSAL:

REF: REW KP-I-211 and KP-I-242

## Item 1: Approx Multiplier P.C. Board.

Change resistors R30 and R35 from RN60C3322F to RN60C1502F. Change resistors R5 and R6 from RN60C6810F to RN60C3920F. Change Approx Multi P.C. Board Ass'y from P/N 531A507-001-101 to new P/N 531A507-001-105.

## Item 2: STC Range Scaling P.C. Board Assembly

Change resistor R/3 from RN60C1872F to RN60C2262F.
Change resistor R/5 from RN60C7321F to RN60C8251F.
Change resistor R/5 from RN60C1742F to RN60C2212F.
Change resistor R/7 from RN60C8061F to RN60C1072F.
Change resistor R/3 from RN60C1652F to RN60C1872F.
Change resistor R/5 from RN60C1242F to RN60C1332F.
Change resistor R/5 from RN60C1242F to RN60C1332F.
Change STC P.C. Board Assembly P/N from 531A537-001-101 to 531A537-001-105.

A Mod No. will be assigned to the 531A500-001-103 Synchronizer Unit with this change.